

Semiconductor Weekly News

Sep 28 – Oct 4, 2026

AI infrastructure financing swelled while memory, substrates and power became the constraints.

Miki Matsui, Co-Founder, CHIP-J

Sources: company releases, government materials, Reuters, Bloomberg, CNBC, Tom's Hardware, TechCrunch and others



Editor's Picks

\$8.2B

AMD buys World Labs

Sep 28: All-stock definitive agreement. World Labs builds models that generate 3D environments; founder Fei-Fei Li becomes AMD EVP and chief scientist. Closing expected by year-end, pending approvals. (AMD, Sep 28)

\$42B

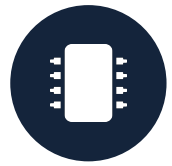
Anthropic's financing

Oct 1: per the IPO filing, a convertible note would let Broadcom lend up to \$42B, about a third of a \$125.2B five-year TPU lease. Reuters says an IPO could value Anthropic at \$2T (a projection). (Reuters, Oct 1)

\$60.3B

Korea chip exports

September exports were \$60.3B, the first month above \$60B, up 263% YoY, on higher shipments, prices and memory demand. Total exports hit a record \$120.9B, with chips about half. (Korea Times, Oct 1)



AI Chips & GPUs

AMD to buy World Labs for \$8.2B in stock

Sep 28: AMD signed a definitive all-stock agreement. World Labs builds models that generate 3D environments, plus robotic-learning technology; founder Fei-Fei Li becomes EVP and chief scientist. Closing is expected by year-end, subject to regulatory approval. [\(AMD, Sep 28\)](#)

NVIDIA adds \$150B to buyback authorization

Sep 28: remaining authorization rises to \$235B, which NVIDIA expects to execute through fiscal 2028. The same day it launched an open agent-safety platform, including Sentry, an out-of-band monitor on BlueField-4 DPUs. [\(NVIDIA, Sep 28\)](#) [\(safety platform\)](#)

Amazon, Synopsys sign \$1B+ multi-year deal

Sep 30: the agreement covers silicon IP, EDA tools and agentic AI and is valued at more than \$1B. The firms will optimize Synopsys software on Amazon's Trainium and Graviton chips. [\(Synopsys, Sep 30\)](#)



Fab & Supply Chain

TSMC reportedly weighs a Texas fab campus

Bloomberg (Oct 1): multiple fabs worth tens of billions of dollars are under consideration at an early stage, reportedly contingent on extending an advanced-manufacturing tax credit that expires at year-end. TSMC declined to comment on rumors. [\(Bloomberg, Oct 1\)](#)

Korea's chip exports top \$60B for the first time

September semiconductor exports reached \$60.3B, up 263% YoY, on higher shipments, higher prices and rising memory demand. Total exports also set a record at \$120.9B, with chips about half. [\(Korea Times, Oct 1\)](#)

Samsung Electro-Mechanics to invest 6.78T won

Sep 28: the board approved about \$4.9B for AI-chip FC-BGA substrates, 4.27T won in Sejong and 2.51T won in Vietnam. Sejong mass production is planned from September 2028. [\(Seoul Economic Daily, Sep 28\)](#)



Consumer Chips

Micron's mobile and client unit surges

Fiscal Q4 results (Sep 30): Mobile and Client revenue was \$13.1B (+14% QoQ) at an 88% operating margin, on higher prices and lower bit shipments, per Tom's Hardware. Total revenue was \$54.2B. [\(Micron, Sep 30\)](#) [\(Tom's Hardware, Oct 2\)](#)

Raspberry Pi raises prices for a third time this year

Tom's Hardware (Oct 2): Raspberry Pi 5 2GB goes from \$65 to \$77.50 (+19%) and Raspberry Pi 4 2GB from \$55 to \$67.50 (+23%), citing a persistent LPDDR4 and LPDDR5 shortage. [\(Tom's Hardware, Oct 2\)](#)

NVIDIA adds a 64GB DGX Spark at \$4,999

Oct 2: the GB10 system gains a 64GB LPDDR5X configuration from \$4,999; the 128GB model sells for about \$7,000–\$9,000. Acer, Dell, HP and others are to ship it Oct 23, per Tom's Hardware. [\(Tom's Hardware, Oct 2\)](#)



Hyperscalers & Data Centers

Anthropic to borrow up to \$42B from Broadcom

Oct 1: per its IPO filing, the note could fund about a third of Anthropic's \$125.2B five-year TPU lease, with multiple gigawatts of next-gen TPU capacity from 2027. Reuters says an IPO could value it at \$2T. [\(Reuters, Oct 1\)](#)

Korea-US Project Star: \$22.3B Texas gas plant

Oct 1: the first Korea-US strategic investment project is a 6,472 MW gas combined-cycle plant for AI data centers, with NextEra Energy among the parties. Phase 1 is targeted for 2029 and full capacity for 2032. [\(Korea gov., Oct 1\)](#)

Samsung group commits \$1B to Helix

Sep 29: Samsung Electronics puts in \$500M and five affiliates the rest. Helix, led by former AWS CEO Adam Selipsky, spans data centers, power generation and delivery, and fiber. KKR and NVIDIA also invest. [\(Samsung, Sep 29\)](#)



Autonomous Driving & Auto Chips

California to fine robotaxis that block responders

TechCrunch (Oct 1): SB 1246 fines robotaxis that block first responders for over 30 minutes (amount not stated) and requires US-based remote drivers. It takes effect in July 2028, with the DMV to set guidelines. [\(TechCrunch, Oct 1\)](#)

Cybercab's rocky first month in Austin

CNBC (Oct 3): Cybercabs authorized in Texas rose from 45 at launch to 169, with no collisions reported. NHTSA opened an audit query and Tesla won an extension past its Sep 30 response deadline. [\(CNBC, Oct 3\)](#)

Delta–NVIDIA tie-up; AMD ADAS FPGA

Sep 29: Delta plans to develop Level 4 systems on NVIDIA Hyperion. The same day AMD said its automotive-grade Spartan UltraScale+ XA FPGA for ADAS LiDAR is in production and shipping now. [\(Delta, Sep 29\)](#) [\(AMD, Sep 29\)](#)



Chip Startups & Venture

Raised (this round)

\$150M

SiMa.ai — Series C at a \$1.45B valuation; about \$500M raised in total. Co-led by Fidelity and Amplify. Next-gen hardware with 1,000 dense TOPS is planned for H1 2028. [\(SiMa.ai, Sep 28\)](#)

Raised (this round)

\$145M

CScale — Series C; \$188M raised in total, valuation not disclosed. Led by Atreides; NVIDIA and Intel Capital joined as first strategic investors. [\(CScale, Sep 30\)](#)

Raised (this round)

\$97M+

Efficient Computer — Series B at a \$650M valuation (company-stated); \$173M raised in total. Led by TQ Ventures to ship its Electron E1 processor. [\(Efficient, Sep 29\)](#)

Raised (this round)

\$88M

Volantis — Series A; \$97M raised in total, valuation not disclosed. Led by Lachy Groom and Abstract. Develops optical links for memory. [\(Volantis, Sep 29\)](#)



Industry Deals & Policy

onsemi / Synaptics

Oct 1: revised to \$123 per share in cash, about \$5.7B (from about \$7B), after an unsolicited rival proposal. Closing is expected by mid-2027. ([Synaptics, Oct 1](#))

DeepSeek x Huawei

Sep 29: DeepSeek open-sourced infrastructure for Huawei's Ascend, including the TileLang language and compute and communication libraries. ([Reuters, Sep 29](#))

Applied EPIC grows

Sep 29 Kioxia (next-gen memory); Oct 1 Besi (hybrid bonding, packaging). The \$5B EPIC Center is to be operational this year. ([Applied, Sep 29](#)) ([Oct 1](#))

H-1B fee blocked

Sep 30: a Northern California federal court vacated the policies behind the \$100K H-1B fee, nationwide, for skipping rulemaking. An appeal is expected. ([Immigration Analytics, Oct 1](#))



State Policy

Newsom signs 13 AI bills

Sep 30: bills on workplace and healthcare AI, transparency and deepfakes, including a bar on AI-only employment decisions and human review of discipline and firings. Effective dates were not stated. (CA Governor, Sep 30)

Fusion bills signed

Sep 30: AB 2647 and SB 925 call for a fusion strategic plan and commercial strategy; \$30M for quantum and deep-space research was announced at UC Berkeley. (CA Governor, Sep 30)



Sources

Company releases (AMD, NVIDIA, Synopsys, Micron, Samsung, Applied Materials, Delta, Synaptics, SiMa.ai, CScale, Efficient Computer, Volantis), government materials (Korean government, California Governor's Office), Reuters, Bloomberg, CNBC, Tom's Hardware, TechCrunch, Korea Times, Seoul Economic Daily and others. Words such as plans, expected and reportedly mark unconfirmed information.

Detailed version with all article links: [semiconductor-digest-2026-10-04.md](#)